

### **ABSTRACT OF THE DISCLOSURE**

This invention describes (i) an occupant classification, (ii) a baby seat detection, and (iii) an integrated occupant sensory system. The main goal of the invention is to provide the vehicle's restraint device(s) with enough information about the vehicle's occupant as to take the most appropriate actions necessary for the safety of the occupant. This invention (or some sub-modules of it) does not have to be restricted to the use in automotive restraint systems as it may be used in several other applications as well.